

011997952

WPI Acc No: 1998-414862/199836

New beta-keto-alcohol derivatives - useful as intermediates for epothilone(s)

Patent Assignee: WEISSJOHANN L A (WEISS-I)

Inventor: GABRIEL T; WEISSJOHANN L A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19701758	A1	19980723	DE 1001758	A	19970120	199836 B

Priority Applications (No Type Date): DE 1001758 A 19970120

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 19701758	A1	7	C07C-069/66	

Abstract (Basic): DE 19701758 A

beta -Ketoalcohol derivatives of formula

G1C(R1) (R1)CH(OM)C(R2) (R2)G2 (III) are new. G1 = COO-alkyl, COO-aryl, COO-cycloalkyl, CO2M, CO2PG, CONHn(PG)2-n, CON(alkyl)2, COR2, COR*, CN, COO-spacer-polymer or CONH-spacer-polymer; G2 = COO-alkyl, COO-aryl, COO-cycloalkyl, CO2M, CO2PG, CONHn(PG)2-n, CON(alkyl)2, COR2, COR*, CN, COO-spacer-polymer, CONH-spacer-polymer, CH2OR2, CH2O(PG), CH(OR2)2, CH(O-PG)2 or CH=N-PG; R1 = H, F, alkyl, vinyl, cycloalkyl, O-alkyl, Cn'F3-n', oxacycloalkyl, spirocycloalkyl or oxaspirocycloalkyl; R2 = H, alkyl, vinyl, aryl, CnF3-n, cycloalkyl, O-alkyl, oxacycloalkyl, spirocycloalkyl or oxaspirocycloalkyl; R3 = H, X, omega -nerol, geraniol, nerylacetone, geranylacetone or their derivatives; M = metal cation, H or non-metallic cation; R* = chiral auxiliary; X = halo or leaving group; alkyl = 1-7C alkyl; cycloalkyl = 3-7C cycloalkyl; aryl = optionally mono- to penta-substituted phenyl or benzyl; n = 0-2; and n' = 0-3.

USE - (III) are useful as intermediates for epothilones.

ADVANTAGE - The use of (III) avoids the problem of retro-aldol reactions encountered in prior art synthesis of epothilones.

Dwg.0/0

Derwent Class: B05; C03; E19

International Patent Class (Main): C07C-069/66

International Patent Class (Additional): C07C-051/347; C07C-059/00;

C07C-067/30; C07C-235/02; C07C-255/11; C07D-263/20; C07D-493/04